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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/139,296	08/25/1998	TOSHIYA OHTOMO	101809.01	5158	
25944	7590 09/16/2002				
OLIFF & BERRIDGE, PLC			EXAMINER		
P.O. BOX 19928			KIM, PETER B		
ALEXANDRI	A, VA 22320		Kin, I bibk b		
			ART UNIT	PAPER NUMBER	
			2851		
			DATE MAILED: 09/16/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/139,296	OHTOMO ET AL.				
Office Action Summary	Examiner	Art Unit				
· · · · · · · · · · · · · · · · · · ·	Peter B Kim	2851				
The MAILING DATE of this communication appears on the cov r sh et with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	i6(a). In no event, however, may a reply be till within the statutory minimum of thirty (30) da ill apply and will expire SIX (6) MONTHS fron cause the application to become ABANDON!	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on	•					
	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	•					
4) Claim(s) 28-31 is/are pending in the application	n.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>28-31</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Ex	aminer.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents						
2. Certified copies of the priority documents	• •					
3.☐ Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	-				
14) ☐ Acknowledgment is made of a claim for domesti	·					
a) The translation of the foreign language pro	visional application has been re	ceived.				
15) Acknowledgment is made of a claim for domesting Attachment(s)	c priority under 55 U.S.C. 99 12	υ α ιι υ/υ ΙΖΙ.				
1) Notice of References Cited (PTO-892)	4) 🗍 Interview Summa	ry (PTO-413) Paper No(s)				
Notice of References Cited (F10-692) Notice of Draftsperson's Patent Drawing Review (PT0-948) Information Disclosure Statement(s) (PT0-1449) Paper No(s)	5) Notice of Informal	Patent Application (PTO-152)				



Application/Control Number: 09/139,296

Art Unit: 2851

DETAILED ACTION

The office communications mailed on October 27, 1999 and October 29, 1999 (paper #16, and 17) are vacated.

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 2. Claims 29 and 31 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. According to the claims, the magnet system of the first linear motor is fastened to the mask stage. The term, "mask stage" is not defined in the specification. In fact, the term, "mask stage" is missing from the specification. Also, the electric coil system of the first linear motor fastened to the movable part of the second linear motor is not disclosed in the specification, since in Figure 5 and 7, the electric coil of the first linear motor seems to be attached to the coarse stage, which is not claimed.

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 28 and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Nishi (5,477,304).

Nishi discloses in Figures 1 and 2 and columns 8 and 9 a lithographic device comprising the following elements, which are supported in that order: a substrate stage which can be positioned by a first positioning device (ref. 31 in Nishi) in x-direction (first direction in Claim 30) and y-direction (second direction in Claim 30) where both directions are perpendicular to z-direction; an imaging system (ref. 13 in Nishi) with a main axis parallel to the z-direction; a mask stage which can be positioned parallel to the x-direction (first direction in Claim 30) by a second positioning device (ref. 24 in Nishi); and an illumination optical system (ref. 22 in Nishi) which irradiates an exposure illumination light beam; wherein the mask stage is also positionable parallel to the y-

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direction (second direction in Claim 30) and rotatable (see abstract of Nishi) about an axis of rotation which is parallel to the z-direction by the second positioning device; and wherein the second positioning device is provided with a first linear motor by means of which the mask stage can be positioned over comparatively small movement parallel to the y-direction and x-direction and can be rotated about the axis of rotation of the mask stage (ref. 38, 40, 42 in Nishi) and a second linear motor by means of which the mask stage can be positioned over comparatively great movement parallel to the x-direction (first direction in Claim 30) (ref. 32A, 32B in Nishi). Regarding the direction, the relative scanning direction is defined as the x-direction in Nishi, therefore x-direction in Nishi corresponds to the y-direction in the claimed invention.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Kim whose telephone number is (703) 305-0105. The examiner can normally be reached on Monday-Thursday from 6:30 AM to 4:00 PM. The examiner can also be reached on alternate Fridays during the same hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams, can be reached on (703) 308-2847. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

PBK 5/7/02

RUSSELL ADAMS
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